

10 Res 28 JUN 2004

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
10 July 2003 (10.07.2003)

PCT

(10) International Publication Number
WO 03/055754 A1(51) International Patent Classification⁷: **B65D 8/04,**
B65B 7/28 [AU/AU]; Unit 114, Huon Park, 381 Bobbin Head Rd,
North Turramurra, NSW 2074 (AU).

(21) International Application Number: PCT/AU02/01749

(22) International Filing Date:
24 December 2002 (24.12.2002)

(25) Filing Language: English

(26) Publication Language: English

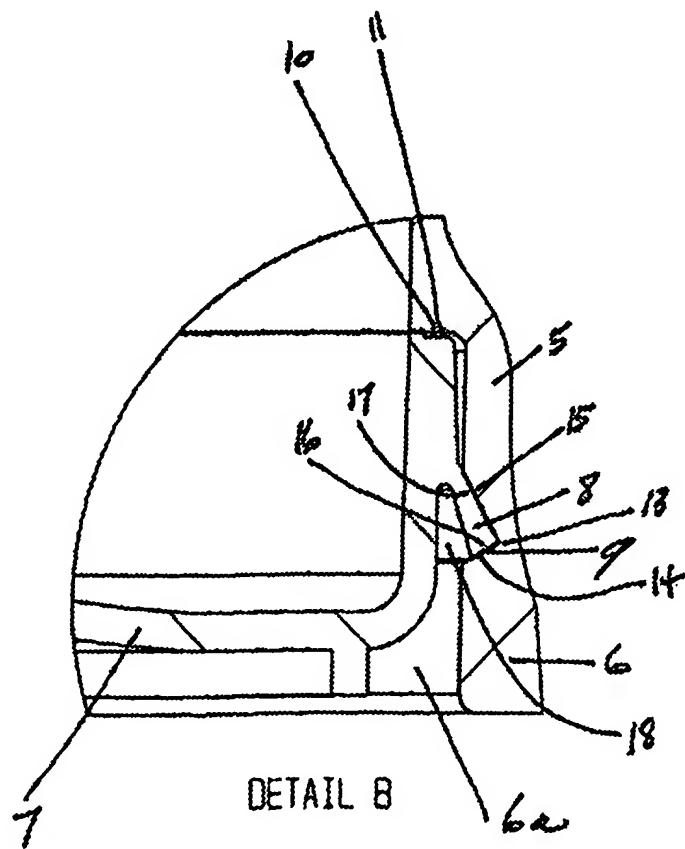
(30) Priority Data:
PR 9781 28 December 2001 (28.12.2001) AU(71) Applicant (for all designated States except US): M. J.
BUSHBY (CONSULTING) PTY LTD [AU/AU]; Unit
114, Huon Park, 381 Bobbin Head Rd, North Turramurra,
NSW 2074 (AU).

(71) Applicant and

(72) Inventor (for US only): BUSHBY, Maxwell, John

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK,
TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).*[Continued on next page]*

(54) Title: THERMOPLASTIC CAN



(57) Abstract: A thermoplastic can (1) comprising a thermoplastic body (2) having a disc like top (3) moulded as one with a tubular element (5) defining the sides of the body (2) and extending downwardly from the peripheral portions of the top (3); an openable portion associated with the top to facilitate use of the can contents by an end user; a thermoplastic base member (7) having an externally directed protrusion (8) engaged in a relatively thin walled recess (9) in the radially internally facing lower peripheral portion of the body thereby effecting a permanent seal at the base of the container after filling thereof; the resistance to permanent inward deformation of the externally directed protrusion exceeding the resistance to permanent outward deformation of the thin walled recess; the wall thickness of the lower peripheral portion of the body below the thin walled recess exceeding that of the thin walled recess.

WO 03/055754 A1

BEST AVAILABLE COPY